scitara
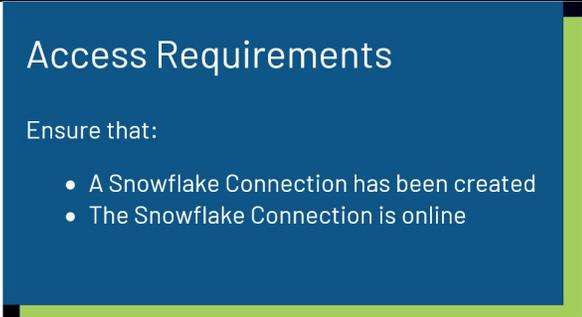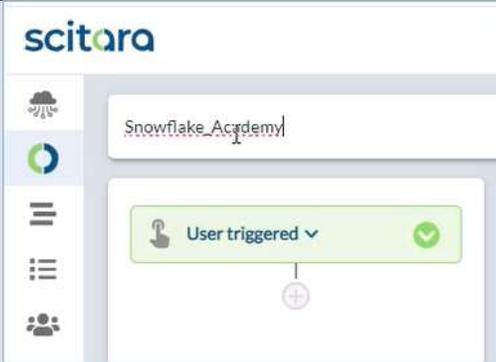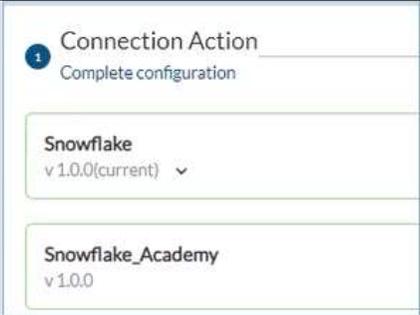meet the modern lab™
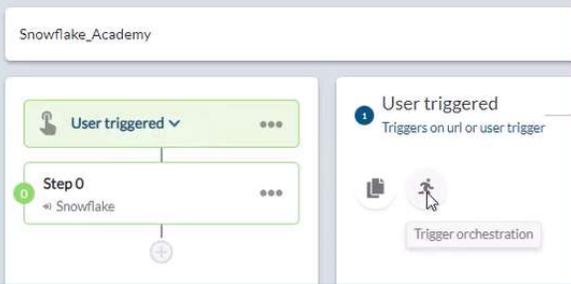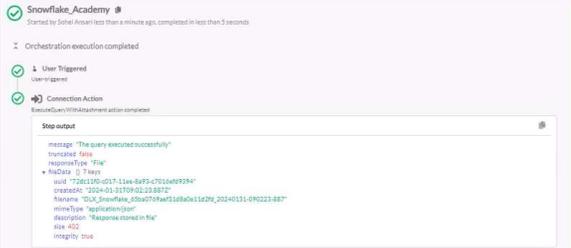
DLX™ Web Console
Snowflake Orchestration Script v1
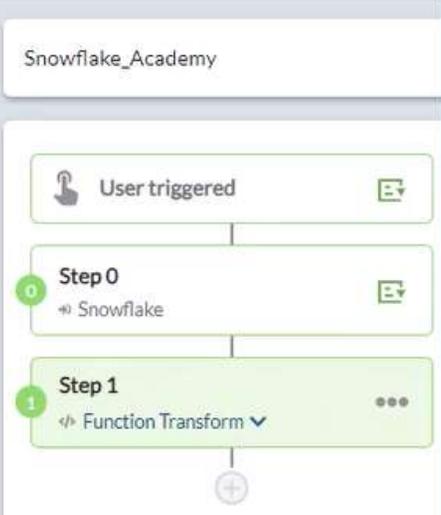
February 1, 2024

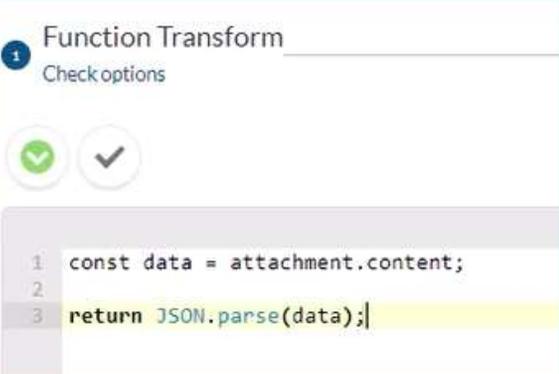# Creating a Snowflake Orchestration

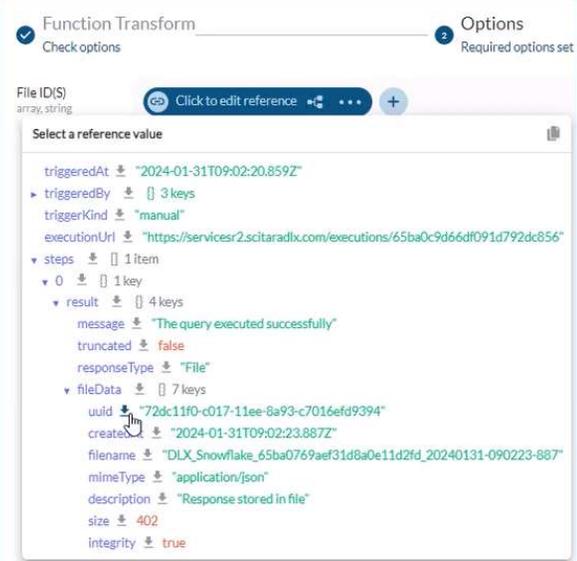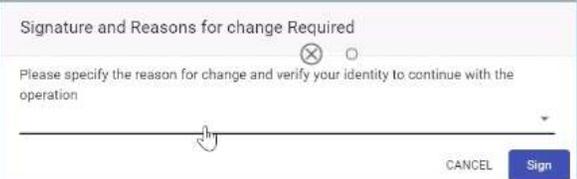| Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
1.	Creating an Orchestration with the Snowflake Connector	Creating a Snowflake Orchestration	00:00:09-00:00:23	This video will demonstrate how to create a Snowflake Orchestration using the Execute Query with Attachment action. This Orchestration will execute an SQL command then return the results as an attachment.	
2.	Access Requirements	Access Requirements Ensure that: • A Snowflake Connection has been created • The Snowflake Connection is online	00:00:26-00:00:32	Ensure that a Snowflake Connection has been created and is online before creating this Orchestration.	
3.	Creating an Orchestration with the Snowflake Connector: A Tutorial	Creating an Orchestration with the Snowflake Connector: A Tutorial	00:00:34-00:00:48	Now we will demonstrate the complete process of creating an Orchestration using the Snowflake Connection that we created and configured in the previous lesson. Follow the instructions and we will have a working Orchestration.	
		Video file Creating_a_Snowflake_Orchestration.mp4			

Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
4.			00:00:51-00:00:54	From the DLX Orchestrations page, click **Add New**.	
5.			00:00:57-00:01:01	Change the trigger type to "User triggered" and enter the name of the Orchestration.	
6.			00:01:07-00:01:11	Click on the slider in the top-right corner to Enable the Orchestration.	
7.			00:01:14-00:01:18	Click on the plus sign below the trigger, then add a Connection Action.	

Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
8.		Connection Action ① Complete configuration Snowflake v 1.0.0(current) ∨ Snowflake_Academy v 1.0.0	00:01:22-00:01:28	Select the Snowflake Connector then select the Connection that we created in the previous exercise.	
9.		Execute Query with Attachment Executes a SQL command and returns results as an attachment.	00:01:30-00:01:33	Select the **Execute Query with Attachment** action.	
10.		✓ Connection Action Configured, check options ② Options Required options set Query * string Select Top 10 CUSTOMER_NAME from SERVICES_DLX.DEFAULT_SERVICES.CUSTOMER ··· ⊕	00:01:35-00:01:37	In the Options tab, enter the Query in the String.	
11.		Data Bindings array 🔘 Click to create array ··· Fetch As String array 🔘 Click to create array ···	00:01:39-00:01:46	Optionally, enter a value for "Data Bindings" and "Fetch as String". In this example, we are leaving these fields blank.	
12.		Signature and Reasons for change Required ⊗ ○ Please specify the reason for change and verify your identity to continue with the operation ▾ CANCEL Sign	00:01:48-00:01:58	Click **Save**, then enter the reason for change using DLX credentials and click **Sign**. (eSign prompt will only appear for GxP DLX implementations).	

Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
13.		Snowflake_Academy User triggered ∨ ••• Step 0 ••• ◁› Snowflake ⊕ ❶ User triggered Triggers on url or user trigger 📋 🏃 Trigger orchestration	00:02:01- 00:02:03	Under User Triggered, click **Trigger Orchestration**.	
14.		Snowflake_Academy Started by Sohel Ansari less than a minute ago, completed in less than 5 seconds ⟳ Orchestration execution completed ✓ ↓ User Triggered User-triggered ✓ ◁› Connection Action ExecuteQueryWithAttachment action completed Step output message "The query executed successfully" truncated false responseType "File" ▾ fileData [] 7 keys uuid "72db11f0-c017-11ee-8a93-c701defd9394" createdAt "2024-01-31T09:02:23.887Z" filename "DLX_Snowflake_d5ba078faef31d8a0e11d2fd_20240131-090223-887" mimeType "application/json" description "Response stored in file" size 402 integrity true	00:02:07- 00:02:11	Expand the Connection Action in the execution screen to view the data.	

Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
15.		Snowflake_Academy User triggered Step 0 Snowflake Step 1 Function Transform	00:02:13-00:02:21	Close the execution screen and click on the plus sign below the Connection Action step and add a **Function Transform** step to the Orchestration.	
16.		Function Transform Check options 1 const data = attachment.content; 2 3 return JSON.parse(data);	00:02:23-00:02:26	In the Transform Code section, paste the JavaScript code as shown.	

Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
17.		Function Transform — Check options — Options — Required options set — File ID(S) array, string — Click to edit reference	00:02:28-00:02:33	In the Options tab, click on the File ID expression and change the data type to a Reference.	
18.		Function Transform — Check options — Options — Required options set — File ID(S) array, string — Click to edit reference — Select a reference value — triggeredAt "2024-01-31T09:02:20.859Z" — triggeredBy {} 3 keys — triggerKind "manual" — executionUrl "https://servicesr2.scitaradlx.com/executions/65ba0c9d66df091d792dc856" — steps [] 1 item — 0 {} 1 key — result {} 4 keys — message "The query executed successfully" — truncated false — responseType "File" — fileData [] 7 keys — uuid "72dc11f0-c017-11ee-8a93-c7016efd9394" — created "2024-01-31T09:02:23.887Z" — filename "DLX_Snowflake_65ba0769aef31d8a0e11d2fd_20240131-090223-887" — mimeType "application/json" — description "Response stored in file" — size 402 — integrity true	00:02:36-00:02:42	Click on the Reference and drill down under step to file data, then click on the arrow icon next to uuid.	
19.		Signature and Reasons for change Required — Please specify the reason for change and verify your identity to continue with the operation — CANCEL — Sign	00:02:45-00:02:55	Click **Save**, then enter the reason for change using DLX credentials and click **Sign**. (eSign prompt will only appear for GxP DLX implementations).	

Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
20.			00:02:58-00:03:01	Under User Triggered, click **Trigger Orchestration**.	
21.			00:03:06-00:03:11	Expand the Function Transform step to view the payload showing the data retrieved from Snowflake.	

Screen	Title	On Screen	Video Time Stamp	Voice Over	SME Feedback
22.			00:03:25-00:03:30	In the Snowflake system, verify that the data shown in the Orchestration execution is correct.	
23.		A Recap: Creating an Orchestration with the Snowflake Connector	00:03:34-00:03:41	We have successfully created and executed a Snowflake Orchestration using the Execute Query with Attachment action.	
24.		In case of any queries, please contact us at support@scitara.io	00:03:44-00:03:45	Thanks for watching.	